

In the Claims

Claims are amended as follows:

1. (currently amended) A radio communications device comprising at least three ~~or more~~ diverse antennas and one of either a plurality of transmit chains or a plurality of receive chains, and wherein there are fewer of said ~~transmit or receive~~ chains than antennas.
2. (original) A radio communications device as claimed in claim 1 which is arranged to provide multiple-input multiple-output communications.
3. (original) A radio communications device as claimed in claim 1 wherein said antennas each have directionality.
4. (currently amended) A radio communications device as claimed in claim 1 wherein said at least three diverse ~~the diversity of the antennas~~ have one ~~is achieved via any of spatial diversity and polarisation diversity.~~
5. (original) A radio communications device as claimed in claim 1 which is selected from a basestation and a user terminal.
6. (currently amended) A radio communications device as claimed in claim 1 which further comprises a selector arranged to select for each ~~receive chain or for each transmit chain~~, any one of the said antennas for use in conjunction with said ~~that receive or transmit~~ chain.
7. (currently amended) A radio communications device as claimed in claim 6 wherein said selector comprises a switching mechanism arranged to switch the antennas between ~~the transmit chains or between the receive~~ said chains.
8. (original) A radio communications device as claimed in claim 6 wherein said selector is arranged to select on the basis of a parameter related to a cyclic redundancy check process.

9. (currently amended) A radio communications device as claimed in claim 8 wherein said selector is further arranged to select for each receive chain ~~any~~ one of the antennas not currently selected for use in conjunction with other ~~any~~ of the said receive chains.
10. (currently amended) A radio communications device as claimed in claim 8 wherein said selector is further arranged to select for each transmit chain ~~any~~ one of the antennas not currently selected for use in conjunction with other ~~any~~ of the said transmit chains.
11. (original) A radio communications device as claimed in claim 6 wherein said selector is arranged to select on the basis of a signal strength indicator.
12. (currently amended) A radio communications device as claimed in claim 6 which is arranged to provide multiple-input multiple-output communications and where said selector is arranged to select on the basis of parameters related to ~~any one~~ of, a frame error rate, link capacity and eigenvalues.
13. (currently amended) A radio communications device as claimed in claim 1 wherein each of said antennas is arranged to provide a directional antenna beam and wherein at least some of said ~~these~~ antenna beams are of substantially different pointing directions than ~~the others of said~~ antenna beams.
14. (original) A radio communications device as claimed in claim 1 comprising four pairs of antennas each pair of antennas being supported from a body which is sized and shaped such that it is portable and suitable to be supported on a substantially flat surface.
15. (original) A radio communications device as claimed in claim 14 wherein said body is a parallelepiped and each pair of antennas is supported from a different face of said parallelepiped.

16. (original) A radio communications device as claimed in claim 14 wherein said antennas are dipoles.
17. (original) A radio communications device as claimed in claim 16 wherein one of each pair of dipoles is arranged such that its ends are directed towards the body.
18. (original) A radio communications device as claimed in claim 14 which further comprises a selector arranged to select a first subset of the antennas for transmission and a second subset of the antennas for reception.
19. (original) A radio communications device as claimed in claim 18 which is suitable for use in a multiple-input multiple-output communications system and where the first subset is two of the antennas and the second subset is four of the antennas.
20. (original) A radio communications network comprising a radio communications device as claimed in claim 1.
21. (currently amended) A radio communications network comprising a plurality of user terminals each being a radio communications device as claimed in claim 1 and wherein each of said antennas at said ~~these~~ user terminals is arranged to provide a directional antenna beam and wherein at least some of said ~~these~~ antenna beams are of substantially different pointing directions than ~~the others~~ of said antenna beams.
22. (currently amended) A method of operating a radio communications device which comprises at least three ~~or more~~ diverse antennas and one of ~~either~~ a plurality of transmit chains or a plurality of receive chains, and wherein there are fewer of said ~~transmit or receive~~ chains than antennas, said method comprising the steps of:

- i) selecting, for each ~~receive chain or for each transmit chain~~, any one of the antennas for use in conjunction with ~~that receive or transmit~~ said chain.
23. (currently amended) A method as claimed in claim 22~~[[25]]~~ wherein said step of selecting comprises selecting on the basis of a signal strength indicator.
24. (currently amended) A method as claimed in claim 22~~[[26]]~~ wherein said antenna arrangement is arranged to provide multiple-input multiple-output communications and wherein said selector is arranged to select on the basis of parameters related to one ~~any~~ of, a frame error rate, link capacity, cyclic redundancy check information and eigenvalues.
25. (original) A computer program stored on a computer readable medium and arranged to carry out the method of claim 22.